

ROYAL LEAMINGTON SPA.

Urban Sanitary District.



ANNUAL REPORT

OF THE

Medical Officer of Health,

1905.

LEAMINGTON SPA:

PRINTED AT THE COURIER WORKS, CHURCH WALK.

HEALTH COMMITTEE.

MR. COUNCILLOR MASON (CHAIRMAN).

THE MAYOR.

Mr. ALDERMAN FLAVEL.

" " LEE, F. W.

" " THURSFIELD.

" COUNCILLOR BAILEY.

" " BAKER.

" " BANNER.

" " CASHMORE.

" " HAWKES.

" " HICKS.

" " SMITH.

Acreage	...	...	...	...	...	...	...	2,760
Population (Census, 1901)	...	...	...	...	...	...	...	26,888
Population Estimated for 1905	...	...	...	...	...	...	...	27,100
Town Sewage pumped to Heathcote Farm.								
Town Refuse disposed of by Horsfall's Destructor.								
Height above Sea Level	...	...	...	...	...	...	...	195 feet.
Geological Formation : New Red Sandstone.								
Water Supply : Artesian Wells on Champion Hill and at Lillington.								
Respective Depths of Wells...	...	...	...	...	...	...	...	110 and 170 feet.
River Water is used for Watering of Streets and Flushing of Sewers.								

SANITARY REPORT

OF THE

Borough of Royal Leamington Spa

FOR THE YEAR 1905.



TOWN HALL, LEAMINGTON,

31st January, 1906.

TO THE CHAIRMAN AND MEMBERS OF THE
HEALTH COMMITTEE.

GENTLEMEN,

In presenting my Sixteenth Annual Report I have once more to congratulate you upon the continued high state of the health conditions of Leamington.

1905, from a sanitary point of view, has been the most satisfactory year since I became your Health Officer; and I hope that the facts and figures brought to your notice will serve to show what means have been adopted by the Health Department to improve the sanitation of the Borough, and preserve the well-being of the inhabitants.

Vital Statistics.

As in former years I find that the addition of about half the natural increase will give us a fairly approximate estimated population for the year, viz.: 27,100. Multiplying the number of inhabited houses by 4·5 produces almost the same figures.

Births.

526 Births (261 males, 265 females) were registered, yielding a birth-rate of 19·4, somewhat above the average for last ten years.

The following Tables show Births and Birth-rates by Wards and Quarters :—

WARDS.	BIRTHS.	BIRTH-RATES.	ESTIMATED POPULATION, 1904.
North-East	131	17 91	7,282
South-East	195	22·99	8,482
West	134	17·87	7,497
Milverton & Lillington	66	17·23	3,829
	526		27,100

QUARTERS.	MALES.	FEMALES.	TOTALS.	BIRTH-RATES.
1st	57	61	118	17·41
2nd	64	73	137	20·22
3rd	75	60	135	19·92
4th	65	71	136	20·07
Totals	261	265	526	

Deaths.

404 Deaths took place, and, on adding 31 deaths of inhabitants who died at Warwick Union Workhouse and Hatton Asylum, and deducting 50 deaths of non-residents who died in the Borough, the correct number of deaths was 385, showing a death-rate of 14·2.

MORTALITY BY QUARTERS.

QUARTERS.	TOTAL MORTALITY							ZYMOTIC DEATHS.			DEATH RATE.
	Under 1 year	1 year and under 5.	5 years and under 15.	15 years and under 25.	25 years and under 65.	65 years and upwards.	Total.	Under 5 years.	Over 5 years.	Totals.	
1st	13	7	3	9	28	51	111	5	„	5	16·01
2nd	7	12	1	4	35	38	97	4	„	4	14·31
3rd	18	9	2	2	27	21	79	„	„	„	11·66
4th	16	5	1	8	38	49	117	„	1	1	17·26
Totals.	54	33	7	23	128	159	404	9	1	10	

The above figures include all deaths of “ residents ” and “ non-residents ” Our custom is to send information of the deaths of non-residents to the Medical Officers of Health of their respective towns. In the same way similar information is furnished to our Department.

Mortality under 5 years shows a marked increase on previous year, owing to the ravages of bronchitis and pneumonia, especially during the first and last quarters, when the conditions were those of extreme cold and damp.

The mortality in the aged was also very high for the same reasons.

Deaths under one year show a proportionate infantile death-rate of 102·6, a marked lowering of the figures of the previous ten years.

The Registrar reports that 36 children who died under 5 years were insured.

The death-rate from pulmonary tuberculosis was 0·88.

The Zymotic death-rate was double last year's figures, viz. : 0·36, owing to the mortality from whooping cough. This is a high death-rate for Leamington, but as compared with the rest of England is low.

CAUSES OF DEATHS UNDER 5 YEARS.

Bronchitis and Pneumonia ...	...	...	...	27
Marasmus ...	...	...	...	10
Tuberculosis ...	...	...	...	6
Whooping Cough ...	...	...	...	5
Convulsions ...	...	...	...	5
Premature Birth ...	...	...	...	9
Debility from Birth ...	...	...	...	10
Measles ...	...	...	...	3
Imperfect Development ...	...	...	...	2
Gangrene ...	...	...	...	1
Diarrhœa ...	...	...	...	2
Accident ...	...	...	...	1
Meningitis ...	...	...	...	3
Spinal Disease ...	...	...	...	1
Rickets ...	...	...	...	1
Embolism ...	...	...	...	1
				87

Of these 4 were "non-residents."

CAUSES OF ZYMOTIC DEATHS.

Measles ...	...	...	...	3
Whooping Cough ...	...	...	...	5
Diphtheria ...	...	...	...	1
Epidemic Diarrhœa ...	...	...	...	1
				10

INFECTIOUS DISEASES.

Chicken-Pox.

This disease, which was made notifiable in 1904, was not so continued in 1905, as small-pox, so very similar in appearance in many instances, did not threaten us from any outlying or local district. Chicken-pox was slightly prevalent in the second quarter, in conjunction with measles and whooping cough.

Scarlet Fever.

22 cases came to my notice ; less than one-third of the numbers for previous year ; and confined principally to the South-East Ward. 21 cases were treated in Hospital, and no death took place.

Measles.

Was prevalent in January, when St. Luke's Infant School was closed for three weeks. And again in May Leicester Street Infant School and St. Peter's Schools were closed for three weeks, and in June St. Paul's Infant School was closed for three weeks. The disease was of a severe character, and caused 3 deaths.

Whooping Cough.

This disease was of a severe type during the first and second quarters, and caused five deaths.

Diphtheria.

11 cases were reported, of which 3 were imported from other towns. No case was reported from the North-East Ward. 6 cases were treated in Hospital, and one death occurred. Sanitary defects were found on premises in three cases.

Enteric (Typhoid) Fever.

6 cases came to my notice. Of these 3 were imported from other places. All were treated at home, and no death was reported.

Pulmonary Tuberculosis.

Only one case was voluntarily reported to me. It seems that individuals have a great objection to have the fact notified that Tuberculosis exists in the family. Hence it is that so few cases are reported to me, although every care is taken in the Health Department to keep secret such information. In several instances, when application was made by your Inspector to carry out disinfection after death, permission to enter the premises was refused.

24 died of this disease, including those in Warwick Union and Hatton Asylum. Premises were disinfected in four cases after death.

I propose to again send out circulars to my medical brethren drawing attention to our regulations as to voluntary notification, bacteriological examination of sputa, and disinfection, under this heading.

The circulars with regard to spitting in public places continue to be sent out as occasion requires.

General Remarks and Suggestions.

The Report shows how free from Scarlet Fever the Borough remained during the year ; the numbers are the lowest since 1880, excepting the years 1884 and 1891, when the figures were respectively 14 and 17 cases.

What may be termed “ epidemics ” overtook us in January and again in May, when measles, accompanied in the second quarter by chicken-pox and whooping cough, appeared. And although the type of disease was rather severe in all three complaints, the mortality was fortunately small.

As in former years, the Department has shown itself equal to any emergency, and every outbreak has yielded to the measures adopted to curtail such.

The zealous and efficient manner in which your inspectors have carried out their arduous duties again won my admiration ; for, indeed, the various new “ Acts ” have of late years largely increased the labors and responsibility of all Health Officials.

Mr. Harman, your second Inspector, obtained a new appointment elsewhere in October, and was succeeded by Mr. Harrison, who is now in charge of No. 2 District and the canal boats.

The Borough Surveyor's Department informs me that the “ Destructor ” consumed 9,843 tons of refuse in the year.

Sewer-flushing was industriously carried out, and about 9,700,000 tons of river water were used.

Quarterly analyses of the Borough water supply showed that normal purity was maintained. The average consumption per head daily was 24·1 gallons.

Fourteen new ventilating shafts were erected at points where smells had arisen in flat situations.

Forty-nine new houses were built.

The urinal at Milverton Station was rebuilt, and proper sanitary fittings were put in place.

Several times I have pointed out that the want of a urinal at the Great Western Railway Cab Stand constitutes a nuisance. I hope this matter will shortly receive attention.

The slaughter houses were kept in as good sanitary condition as is possible in the circumstances, and no complaints have reached us ; but I must repeat, as I have done for years, I shall not be satisfied until a proper abattoir has been established in the Borough, as at present we are very unprotected from the sale of unsound meat.

In September, Miss Fox, a Lady Health Visitor sent us by the County Council, worked most zealously in the poorer portions of the Borough, instructing mothers as to cleansing of houses, feeding and clothing of children, the ventilation of rooms, and domestic cleanliness. I have every reason to believe that such visits will bear rich fruit, and I hope we may look for a return of them at intervals every year.

Miss Fox reported to me most favourably of the condition of the back streets and other places not open to the public gaze.

The Manager of the Pump Rooms and Bathing Establishment reports solid progress in that institution during the year. Many specialists sent patients to the Spa with gratifying results, and have expressed themselves keenly appreciative of the satisfactory manner in which their instructions were carried out.

A new "Solarium" or sun-bath is about to be added to the establishment, which will render its equipment quite up-to-date.

In the meteorological table (VI.) I have been unable to furnish the relative humidity figures, as no such observations were taken in the Borough.

The barometric observations were taken at the Town Hall by Mr. Shepherd, and Mr. Berridge of the Gasworks most kindly furnished me with the remaining observations.

I have to thank your Chairman and the Health Committee for their courteous help in my work ; and to Dr. Rice I am again much indebted for acting for me during any temporary absence from duty.

I am, Gentlemen,

Your Obedient Servant,

SAMUEL BROWNE, M.D., D.P.H.,

Medical Officer of Health.

Borough of Royal Leamington Spa.

ANNUAL REPORT

OF THE

CHIEF SANITARY INSPECTOR

For the Year ending December 31st, 1905.

**TO THE CHAIRMAN AND MEMBERS OF THE
HEALTH COMMITTEE.**

GENTLEMEN,

I beg to submit for your consideration and approval my Annual Report on the work done in No. 1 Sanitary District, comprising that portion of the Borough on the North side of the River Leam, and, in addition, also the work connected with the Cowsheds, Dairies and Milkshops, Common Lodging Houses, Food and Drugs Acts, and the Factory and Workshops Act, 1901.

Complaints.

161 complaints were received and attended to. Many of these related to street gullies and sewer ventilators, and were transferred to the Surveyor's Department; others were about matters which could not be officially dealt with, and a few were found upon investigation to be groundless. Where necessary, steps were taken to abate all nuisances complained of.

General Work.

229 notices were served during the year, in addition to 17 left over from 1904, making a total of 246. Of these 226 had been complied with up to December 31st. A perusal of the summary of work executed in No. 1 District will show the main features of the work carried out.

Towards the end of the year I investigated complaints received from residents in Charlotte Street, and found that, in addition to other causes of complaint, an old sewer taking the drainage of a number of houses in Charlotte and Brunswick Streets was in a defective condition and otherwise objectionable, and on the matter being reported to the Water and Sewage Committee, it was ultimately decided to take out the defective one, and provide instead a glazed pipe sewer in a different direction. The owners of the properties affected also decided to alter their drains to connect with the new sewer. This has now been done, and the drainage of a large block of property which has been a source of trouble for some time past, has now been, I trust, permanently and effectually dealt with.

House-to-House Inspection.

This has been carried out as time allowed, and any nuisances or sanitary defects found remedied as far as possible. In five instances overcrowding was found, and orders made for its abatement and carried out.

I have been greatly assisted in house-to-house inspection by the work of the Lady Health Visitor appointed to this district of Warwickshire by the County Council, more especially in the detection of overcrowding and filthy bedding, as well as minor nuisances that are usually concealed from a male Sanitary Inspector. Her work among the poorer classes has, I believe, been of great and, I trust, lasting benefit to them, and wherever she has been I notice a distinct improvement.

Common Lodging Houses.

There are five Registered Common Lodging Houses in the Borough, all situated in Satchwell Street, and now under the management of one person. Three are registered for married couples, one for single males, and one for single females ; and I find this arrangement acts very well. 181 visits (including night visits) were paid to them during the year, but no infringements of the bye-laws or Public Health Acts were found, and they are kept in a very creditable manner.

The fact of their being registered annually (under the Leamington Corporation Act, 1902) no doubt tends in a great measure to induce the registered keeper to do all he can to keep them clean and orderly at all times.

Accommodation is provided for 76 persons, and only one case of infectious disease—that of Erysipelas—has been notified from them.

Slaughterhouses and Offensive Trades.

Seventeen Slaughterhouses (15 registered and 2 licensed) are in No. 1 District, and these are kept clean and in good order, offal, blood, and garbage removed regularly, and limewashing carried out in excess of what the bye-laws require.

Six places are licensed for tripe boiling and the preparation of sausage skins, and these are also conducted in a satisfactory manner, there being only one instance in which I have found it necessary to caution the occupier as to the way in which he was conducting his business.

Unsound Food.

During the year a quantity of beef, mutton, pork, sausages, bacon, rabbits, fish and fruit was destroyed voluntarily, and it has not been necessary to obtain a justice's order for destruction under Sec. 117, P.H. Act, 1875.

Infectious Diseases and Disinfection.

Fifty-five visits were paid to "infected" premises in No. 1 District for the purposes of investigation and disinfection.

Two schools and 93 rooms were disinfected, including rooms in which Phthisis, Cancer, and Measles occurred, or in other cases of sickness where the medical attendant or occupier wished disinfection carried out, and also in 4 cases of "verminous" premises.

37 sets of bedding and clothing were disinfected by steam, and a large quantity of bedding was also destroyed as filthy and unfit for further use.

All books belonging to the Municipal Free Library found on "infected" premises are taken in charge by your Inspectors, and at their discretion are either destroyed or returned to the Librarian after disinfection by means of sulphur and hot air.

All cases of infectious disease notified are also reported to the Librarian, so that he may discontinue the issuing of books to the premises where it occurs until a period of at least 16 days elapses after notification.

The Steam disinfector has also been used 83 times for "purifying" purposes for bedding manufacturers and others.

Cowsheds, Dairies and Milkshops.

There are 15 Cowsheds within the Borough, with accommodation for 148 cows, but the sheds are not used to the full extent. Except during inclement weather the milch cattle are turned out daily throughout the year, and your Veterinary Surgeon reports them as having been in good health and free from disease. In only one instance has it been necessary to caution a cow-keeper to keep his premises in a more cleanly condition.

There are 114 Dairies and Milkshops registered (an addition of 5 during the year) and these have always been found in a sanitary condition.

A large quantity of the milk used in Leamington comes from sources outside the Borough, and over these we have of course no direct supervision, but there has been no reason to believe that any infectious disease notified has had its origin in the milk supply.

Food and Drugs Acts.

For the purposes of analysis, 81 samples were taken during the year. These consisted of Milk, Butter, Coffee, Cane Sugar, Lard, Cheese, Sweet Nitre, Olive Oil, Vinegar, and Spirits. 13 of these were "informal samples."

As a result of the Analyses, 4 prosecutions for adulterated and impoverished milk took place; 3 convictions were obtained and one case was withdrawn on payment of costs, and two milksellers were also cautioned as to the quality of milk supplied.

Factory and Workshops Act, 1901.

The carrying out of this Act necessitates a large expenditure of work and time on the part of your Inspectors.

There are 31 premises which come under the designation of Factories.

There are also 137 Workshops and Laundries of various classes, and 39 "Home-workers" premises. They are all regularly inspected to ensure the provision of suitable Sanitary Conveniences for both Sexes, cleanliness, and adequate ventilation.

There are also 52 Bakehouses on the Register, of which 5 are "Underground."

Limewashing and Cleansing are very well carried out, and any suggestions made by your Sanitary Staff have always been attended to.

In conclusion, I wish to thank you, the Chairman and Members of the Health Committee, the Medical Officer of Health, the Town Clerk and other Officials of the Borough, for their courtesy and ready assistance given to me at all times in carrying out my duties.

I am, Gentlemen,

Your Obedient Servant,

J. K. ANDERSON,

Chief Sanitary Inspector.

TOWN HALL,

FEBRUARY 6TH, 1906.

Summary of Work Executed in No. 1 District, 1905.

Drains Cleansed	19
Drains re-laid to Sanitary Condition	90
Intercepting Traps fixed	57
Inspection Chambers provided	34
Soilpipes and Ventilators fixed	46
New W. C. Pans and Traps	53
W. C's. provided with water	19
New Gullies fixed	71
New Sinks	14
Soft-water Cisterns cleansed	23
Yards re-paved and repaired	11
Roofs and Spouts repaired	17
Urinals provided, replacing defective do.	2
Manure Pits, replacing defective pits	3
Overcrowding Nuisances abated	6
Nuisances from Fowl-keeping abated	9
Nuisances from Pig-keeping abated	5
Houses whitewashed and Cleansed by notice	31
Dustbins provided	48
Rooms disinfected	93
Sets of Bedding &c., Disinfected by Steam	37
Smoke-tests to Drains	73
Water-tests to Drains	157
House-to-House Inspections	126
Visits to Sanitary Works in progress	524
Visits to Slaughterhouses and Offensive Trades	496
Visits to Common Lodging Houses	147
Visits to Workshops and Laundries &c.	216
Visits to Cowsheds, Daires and Milkshops	189
Visits to Bakehouses	174
Samples of Food &c., taken for Analysis	81

INSPECTOR OF NUISANCES OFFICE,

TOWN HALL,

LEAMINGTON SPA,

February, 3, 1906.

TO THE CHAIRMAN AND MEMBERS OF THE HEALTH
COMMITTEE.

GENTLEMEN,

I have the honour to submit for your consideration a report of the work carried out by me in No. 2 District (that portion of the Borough lying south of the River Leam) since I succeeded Mr. A. Harman (late Inspector of Nuisances), commencing my duties on November 13th, 1905, to the end of the year 1905, covering a period of seven weeks.

I have attended to the few complaints received, and in accordance with the Public Health Acts I have searched the district for nuisances.

I have inspected 91 houses, and 29 of these were found to be insanitary through various defects and absence of sanitary appliances.

I have found it necessary to serve 36 notices, which have taken the form of a letter calling for the abatement of nuisances, and I am pleased to state that 26 have already been carried out, leaving 10 outstanding; 8 of these are now in hand, and the remaining 2 are left over temporarily by arrangement. I may state the owners contemplate carrying out more improvements than I can lawfully require them to do.

The following summary gives a description of the Nuisances found and work done during my term of office .—

Investigations of Infectious Diseases	4
Infectious Cases removed to Hospital... ..	4
Disinfections by Steam	7
Houses fumigated	5
Bakehouses inspected	5
Workshops inspected	1
Slaughterhouse Visits	20
Carcases of Animals examined... ..	50
Offensive Trade Visits	2
Complaints received and attended to	4
Water Tests applied to Drains... ..	6
Smoke Tests applied to Drains... ..	2
Drains choked	3
W.C. badly constructed	1
W.C. Pans corroded	3
Defective Soft-water Cistern Doors	2
Defective and Dangerous Yard Areas... ..	22
Accumulations of Manure and Liquid Filth	8
Pigs kept contrary to Bye-laws	3
Animals kept in Unauthorised Stables without Drainage	2
Defective Cellar Grid (open to street)... ..	1
Hawkers' Carts' Contents examined	2
Smoke Nuisances	2
Visits to Work in progress	39



New Sanitary Appliances and Repairs.

Houses repaired (walls, floors, ceilings, roofs) ...	8
Sanitary dustbins with covers	4
New Drains	2
Drains repaired	1
Yards repaired	7
Rain Water Spouts fixed	1
New Gullies	2

Inspection Chambers	...	...	...	...	...	1
Intersecting Traps	...	...	...	...	...	1
Fresh Air Inlets ...	...	...	...	...	...	1
Sink Earthenware Glazed	...	...	...	...	...	1
Sinks repaired	...	...	...	...	...	6
W.c. Pans cleansed	...	...	...	...	...	2
W.c. Seats fixed	...	...	...	...	...	1
Bakehouse floor (new quarries on concrete)	...	...	...	...	...	1
Boundary Wall repaired	...	...	...	...	...	1
Cellar Grid Iron	...	...	...	...	...	1

In concluding this report I wish to thank you, the Chairman and members of the Health Committee, for the support and kindness shown to me since I took office.

I also wish to thank the Medical Officer of Health for his support and kindly advice.

I am, Gentlemen,

Your obedient servant,

ARTHUR M. HARRISON, A.R.S.I.

(Certificated)

Inspector of Nuisances.

Statistical Return from Leamington Spa under the Canal Boats Acts.

Number of Boats inspected in 1905	...	...	...	34
Number of Boats conforming to Regulations	...	...	...	32
Number of Boats infringing Regulations	...	...	...	2
Total number for which Cabins were registered	...	...	...	111
Total number occupying Cabins	...	...	...	86

DETAILS OF OCCUPATION.

Male Adults	...	...	...	...	...	...	44
Female Adults	...	...	...	...	...	...	20
Children of School Age (over 5)	...	...	...	...	...	...	7
Children under School Age	...	...	...	...	...	...	15

DETAILS SHOWING TYPE OF INFRINGEMENTS FOUND.

Notification of Change of Master	...	...	...	...	...	...	1
Absence of Certificate	...	...	...	...	...	...	1
Certificate for not Identifying Owner with Boat	...	...	...	...	...	...	1
Total	...	...	...	...	...	...	<u>3</u>

I succeeded Mr. A. Harman (late Inspector of Canal Boats) on November 13th, 1905, and inspected six Boats, revealing three Infringements of the Regulations (these infringements have been remedied, no Police Court proceedings necessary) up to the 31st of December, 1905.

ARTHUR M. HARRISON,

Inspector of Canal Boats.

TABLE I.

YEAR.	Population estimated to middle of each year.	BIRTHS.		DEATHS UNDER ONE YEAR OF AGE.		DEATHS AT ALL AGES. TOTAL.		DEATHS IN PUBLIC INSTITUTIONS.		Deaths of Non-residents registered in District.		Deaths of Residents registered beyond District.		DEATHS AT ALL AGES. NETT.	
		Number.	* Rate.	Number.	Rate per 1,000 Births registered.	Number.	* Rate.	9	10	11	12	* Rate.			
1	2	3	4	5	6	7	8	9	10	11	12	13			
1895	27,116	536	19.7	74	136.0	450	16.5	41	25	28	453	16.6			
1896	27,220	543	19.9	71	127.0	413	15.1	46	37	24	410	15.1			
1897	27,320	544	19.9	58	106.6	393	14.3	49	34	26	385	14.0			
1898	27,420	523	19.0	74	143.3	453	16.5	58	50	21	424	15.4			
1899	27,520	511	18.6	71	142.0	454	16.5	52	36	42	459	16.6			
1900	27,700	503	18.1	66	131.2	453	16.3	82	49	34	439	15.8			
1901	26,888	472	17.5	47	99.5	373	13.8	60	49	25	349	12.9			
1902	26,967	503	18.6	81	161.0	382	14.1	56	31	24	375	13.9			
1903	27,017	407	18.0	61	125.2	405	14.4	60	36	26	395	14.6			
1904	27,060	492	18.1	61	123.9	407	15.0	92	43	37	403	14.8			
Averages for years 1895-1904	27,222	511	18.7	66	129.0	418	15.2	59	38	28	409	14.9			
1905	27,100	526	19.4	54	102.6	404	14.9	59	50	31	385	14.2			

NOTE.—The deaths included in column 7 of this Table are the whole of those registered during the year as having actually occurred within the district or division. The deaths included in column 12 are the number in column 7, corrected by the subtraction of the number in column 10 and the addition of the number in column 11.

By the term “Non-residents” is meant persons brought into the district on account of illness and dying there; and by the term “Residents” is meant persons who have been taken out of the district on account of illness, and have died elsewhere.

The “Public Institutions” taken into account for the purposes of this Table are those into which persons are habitually received on account of sickness or infirmity, such as hospitals, workhouses, and lunatic asylums.

* Rates calculated per 1,000 of estimated Population.

Area of district in acres (exclusive of area covered by water)	2,760	Total population at all ages	...	...	26,888
		Number of inhabited houses	...	...	5,959
		Average number of persons per house...	...	...	4.5

At Census of 1901.

TABLE II.—Comparative Statement of Births and Deaths for the last 10 years.

ROYAL LEAMINGTON SPA DISTRICT.

NAMES OF LOCALITIES.	ROYAL LEAMINGTON SPA. 1				NORTH-EAST WARD. 2				SOUTH-EAST WARD 3				WEST WARD. 4				MILVERTON & LILL'N WARD. 5			
	Population esti- mated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.	Population esti- mated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.	Population esti- mated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.	Population esti- mated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.	Population esti- mated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.
1895	27,116	536	453	74	7358	154	111	26	8485	190	141	27	7490	169	118	11	3816	53	45	7
1896	27,220	543	410	71	7327	158	116	20	8517	191	104	28	7519	150	96	14	3831	40	49	6
1897	27,320	544	385	58	7376	135	95	16	8548	217	110	19	7545	141	100	20	3851	31	39	2
1898	27,420	523	424	34	7402	139	122	29	8579	214	130	28	7568	128	89	17	3871	42	46	0
1899	27,520	511	459	71	7430	136	94	17	8610	189	135	24	7601	134	124	26	3879	52	45	5
1900	27,700	503	489	66	7479	139	121	14	8666	183	134	20	7650	134	125	23	3904	46	59	7
1901	26,888	472	349	47	7237	126	85	14	8409	180	115	20	7442	118	95	11	3800	48	54	2
1902	26,967	503	375	81	7256	130	92	15	8440	193	117	19	7461	136	113	14	3810	45	53	9
1903	27,017	487	405	61	7269	114	98	8	8456	182	137	21	7475	133	113	13	3817	55	47	5
1904	27,060	492	401	61	7281	106	112	12	8470	202	129	24	7486	130	107	21	3823	54	53	4
Averages of Years 1895 to 1904.	27,222	511	415	62	7341	133	104	17	8518	192	125	24	7523	134	108	17	3830	46	49	4
1905	27,100	526	385	54	7292	131	97	19	8482	195	137	19	7497	134	105	12	3829	66	46	4

Deaths of Residents occurring beyond the district are included in sub-column *c* of this Table, and those of Non-residents registered in the district excluded.
Deaths of Residents occurring in Public Institutions are allotted to the respective Localities, according to addresses of the deceased.
Deaths of Residents which occurred in the Warneford Hospital, the Home for Incurables, and the River and Canal, are included in the respective Localities to which they belonged.

TABLE III.

NOTIFIABLE DISEASE.	CASES NOTIFIED IN WHOLE DISTRICT.							TOTAL CASES NOTIFIED IN EACH LOCALITY.				NO. OF CASES REMOVED TO HOSPITAL FROM EACH LOCALITY.			
	At all Ages.	Under 1 year.	1 year and under 5.	5 years and under 15.	15 years and under 25.	25 years and under 65.	65 years and upwards.	North-East Ward.	South-East Ward.	West Ward.	Milverton & Lillingt'n W.	North-East Ward.	South-East Ward.	West Ward.	Milverton & Lillingt'n W.
Small-pox... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cholera	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria ...	11	...	1	6	3	1	...	...	4	2	5	...	1	1	4
Membranous Croup	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas ...	24	...	...	...	...	19	5	5	11	5	3	...	...	...	...
Scarlet Fever ...	22	...	10	7	2	2	1	5	10	4	3	5	9	4	3
Typhus Fever ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Enteric Fever ...	6	...	...	...	2	2	2	...	5	1	...	...	...	...	...
Relapsing Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Continued Fever...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Plague	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chicken-pox ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
TOTALS	63	...	11	13	7	24	8	10	30	12	11	5	10	5	7

Isolation Hospital situated at Heathcote, Warwick R.D.
Small-pox Isolation Hospital (1902) situated at Fosse, Southam R.D.

TABLE IV.

CAUSES OF DEATH.	DEATHS IN WHOLE DISTRICT AT SUBJOINED AGES.							DEATHS IN LOCALITIES (AT ALL AGES).				DEATHS IN PUBLIC INSTITUTIONS.
	All Ages.	Under 1 year.	1 year and under 5.	5 years and under 15.	15 years and under 25.	25 years and under 65	65 years and upwards.	North-East Ward.	South-East Ward.	West Ward.	Milverton & Lillingt'n W.	
Small-pox	::	::	::	::	::	::	::	::	::	::	::	::
Measles... ..	3	3	::	::	::	::	::	1	2	::	::	::
Scarlet Fever	::	::	::	::	::	::	::	::	::	::	::	::
Whooping Cough	5	5	::	::	::	::	::	2	1	2	::	::
Diphtheria and Membranous Croup...	1	::	::	1	::	::	::	::	1	::	::	::
Croup	::	::	::	::	::	::	::	::	::	::	::	::
Typhus Fever	::	::	::	::	::	::	::	::	::	::	::	::
Enteric Fever	::	::	::	::	::	::	::	::	::	::	::	::
Fever—other continued	::	::	::	::	::	::	::	::	::	::	::	::
Epidemic Influenza	3	::	::	::	::	1	2	1	::	::	2	::
Cholera... ..	::	::	::	::	::	::	::	::	::	::	::	::
Plague	::	::	::	::	::	::	::	::	::	::	::	::
Diarrhœa	5	4	1	::	::	::	::	1	3	1	::	::
Enteritis	2	1	::	::	::	1	::	1	::	1	::	::
Puerperal Fever	::	::	::	::	::	::	::	::	::	::	::	::
Erysipelas	::	::	::	::	::	::	::	::	::	::	::	::
Other Septic Diseases	7	1	1	::	::	4	1	1	1	2	3	5
Phthisis	18	::	2	1	3	12	::	5	7	3	3	6
Other Tubercular Diseases	14	1	6	1	5	::	1	::	7	5	2	6
Cancer, Malignant Disease	32	::	::	::	2	21	9	6	11	11	4	9
Bronchitis	33	5	8	::	::	3	17	7	10	12	4	1
Pneumonia	35	5	9	2	::	11	8	9	14	9	3	5
Pleurisy	::	::	::	::	::	::	::	::	::	::	::	1
Other Diseases of Respiratory Organs	7	::	::	::	::	4	3	2	3	1	1	::
Alcoholism—Cirrhosis of Liver ...	8	::	::	::	::	5	3	2	1	4	1	::
Venereal Diseases	::	::	::	::	::	::	::	::	::	::	::	::
Premature Birth	9	9	::	::	::	::	::	4	5	::	::	::
Diseases and Accidents of Parturition	::	::	::	::	::	::	::	::	::	::	::	::
Heart Diseases	51	1	1	::	1	22	26	11	19	12	9	4
Accidents	6	::	::	1	::	2	3	2	2	2	::	4
Suicides	3	::	::	::	::	2	1	1	2	::	::	::
All other Causes	143	19	5	1	12	26	80	41	48	40	14	18
ALL CAUSES	385	54	33	7	23	114	154	97	137	105	46	59

TABLE V.—Infantile Mortality during the Year 1905.

CAUSE OF DEATH.	Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 Month.	1-2 Months.	2-3 Months.	3-4 Months.	4-5 Months.	5-6 Months.	6-7 Months.	7-8 Months.	8-9 Months.	9-10 Months.	10-11 Months.	11-12 Months.	Total Deaths under One Year.
	4	5	1	2	12	6	4	5	4	5	3	4	3	3	2	1	52
ALL CAUSES :—	...	...	...	1	1	...	...	...	1	...	...	...	...	...	...	...	2
Certified ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Uncertified ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Small-pox ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chicken-pox ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Measles ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria : Croup ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Whooping Cough ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diarrhoeal Diseases :—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diarrhoea, all forms ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Enteritis (not Tuberculous) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Gastritis, Gastro-Intestinal Catarrh ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Wasting Diseases :—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Premature Birth ...	3	...	1	2	6	2	...	...	...	...	...	...	...	...	...	...	...
Congenital Defects ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Injury at Birth ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Want of Breast-milk ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Atrophy, Peibility, Marasmus ...	3	1	1	1	6	1	1	3	2	...	2	...	1	...	...	...	...
Tuberculous Diseases :—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tuberculous Meningitis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tuberculous Peritonitis : Tabes Mesenterica	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other Tuberculous Diseases	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Syphilis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rickets ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Meningitis (not Tuberculous)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Convulsions ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bronchitis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Laryngitis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pneumonia ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Suffocation, overlaying	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other Causes	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
	7	1	2	3	13	5	4	6	4	2	8	1	4	4	2	1	54

Births in the year :

Legitimate ... 503

Illegitimate ... 23

Deaths from all causes

at all ages ... 385

Population (estimated

to middle of 1905) :

27,100.

TABLE VI.—Meteorology Table of Leamington, 1905.

Month.	Means of Barom. 10 a.m.	Means Ther. at 10 a.m.	AIR TEMPERATURES.								Direction of the prevailing Wind.	RAINFALL.	
			Means of		Absolute Temperatures.				Min.	Date.		Inches.	Days.
			Max.	Min.	Max.	Date.							
January	29.99	40	43.2	35.7	55	7th.	24	19th.	S.E. & S.W.	.90	13		
February ...	29.90	43	46.7	38.9	55	14th.	32	19th, 21st.	N.W.	.81	15		
March	29.25	46	52.3	41.4	60	21st, 22nd.	32	2nd.	S.W.	2.61	21		
April	29.60	47	53.7	42.7	63	13th.	33	7th.	N.E. & S.W.	2.15	17		
May.....	29.58	53	68.6	46.6	86	18th.	36	22nd.	N.E.	.31	4		
June	29.71	60	76.5	54.6	90	24th.	47	8th, 9th.	N.E.	2.40	16		
July.....	29.82	65	79.6	55.3	90	8th, 21st, 24th, 25th.	46	6th.	N.W.	2.86	8		
August	29.63	61	72.1	51.4	84	15th.	47	23rd, 30th.	S.W.	4.46	20		
September...	29.75	56	62.5	47.2	70	3rd, 4th, 5th, 6th.	38	14th.	N.W.	1.97	11		
October	29.77	48	52.2	39.5	60	4th.	26	21st.	N.W.	1.14	12		
November ...	29.42	42	46.5	35.8	54	2nd, 6th.	27	16th.	S.W.	1.96	14		
December ...	29.95	42	44.1	35.2	55	7th.	30	3rd, 9th, 10th, 12th, 25th, 30th, 31st	S.W.	1.30	14		
Totals...	356.37	603	698.0	524.3	...	...	...	...	...	22.87	116		
Means...	29.69	50	58.1	43.6	...	...	...	...	...	1.90	13		